```
### Status: Path 1 of [Dialog Information Services via Modem]

### Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)
Trying 31060000009998...Open

DIALOG INFORMATION SERVICES
PLEASE LOGON:
 ******** HHHHHHHH SSSSSSSS?
### Status: Signing onto Dialog
 ********
ENTER PASSWORD:
 ******** HHHHHHHH SSSSSSSS? ********
Welcome to DIALOG
### Status: Connected


Dialog level 04.20.00D

Last logoff:  30nov04 07:49:38
Logon file405 09dec04 13:57:45
              *** ANNOUNCEMENT ***
                       ***
--Connect Time joins DialUnits as pricing options on Dialog.
See HELP CONNECT for information.
                       ***
--SourceOne patents are now delivered to your email inbox
as PDF replacing TIFF delivery. See HELP SOURCE1 for more
information.
                       ***
--Important Notice to Freelance Authors--
See HELP FREELANCE for more information
                       ***
NEW FILES RELEASED
***Beilstein Abstracts (File 393)
***Beilstein Facts (File 390)
***Beilstein Reactions (File 391)
***F-D-C Gold/Silver Sheet (File 184)
***BIOSIS Toxicology (File 157)
***IPA Toxicology (File 153)
                       ***
UPDATING RESUMED
                       ***
RELOADED
***Toxfile (File 156)


REMOVED
***Textile Technology Digest (File 119)
                       ***


     >>> Enter BEGIN HOMEBASE for Dialog Announcements <<<
     >>>     of new databases, price changes, etc.      <<<
                      ****
CORE is set ON as an alias for 15,9,623,810,275,624,813,636,621,16,160,148,20,77,35,583
,2,65,233,99,473,474,475,348,349,347,278,634,256.
HILIGHT set on as '*'
KWIC is set to 50.
* * *
SYSTEM:HOME
Cost is in DialUnits
Menu System II: D2 version 1.7.9 term=ASCII
                  *** DIALOG HOMEBASE(SM) Main Menu ***


 Information:
  1.  Announcements (new files, reloads, etc.)
  2.  Database, Rates, & Command Descriptions
  3.  Help in Choosing Databases for Your Topic
```

4. Customer Services (telephone assistance, training, seminars, etc.)
        5. Product Descriptions

    Connections:
        6. DIALOG(R) Document Delivery
        7. Data Star(R)

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        /H = Help   /L = Logoff   /NOMENU = Command Mode

Enter an option number to view information or to connect to an online
 service.   Enter a BEGIN command plus a file number to search a database
(e.g., B1 for ERIC).
?b core

>>>   77 does not exist
>>>   278 does not exist
>>>2 of the specified files are not available
        09dec04 13:57:50 User243008 Session D135.1
                $0.00   0.209 DialUnits FileHomeBase
    $0.00   Estimated cost FileHomeBase
    $0.02   TELNET
    $0.02   Estimated cost this search
    $0.02   Estimated total session cost   0.209 DialUnits

SYSTEM:OS - DIALOG OneSearch
   File 15:ABI/Inform(R) 1971-2004/Dec 09
          (c) 2004 ProQuest Info&Learning
*File 15: Alert feature enhanced for multiple files, duplicate
removal, customized scheduling. See HELP ALERT.
   File   9:Business & Industry(R) Jul/1994-2004/Dec 08
          (c) 2004 The Gale Group
   File 623:Business Week 1985-2004/Dec 08
          (c) 2004 The McGraw-Hill Companies Inc
   File 810:Business Wire 1986-1999/Feb 28
          (c) 1999 Business Wire
   File 275:Gale Group Computer DB(TM) 1983-2004/Dec 09
          (c) 2004 The Gale Group
   File 624:McGraw-Hill Publications 1985-2004/Dec 08
          (c) 2004 McGraw-Hill Co. Inc
*File 624: Homeland Security & Defense and 9 Platt energy journals added
Please see HELP NEWS624 for more
   File 813:PR Newswire 1987-1999/Apr 30
          (c) 1999 PR Newswire Association Inc
   File 636:Gale Group Newsletter DB(TM) 1987-2004/Dec 09
          (c) 2004 The Gale Group
   File 621:Gale Group New Prod.Annou.(R) 1985-2004/Dec 09
          (c) 2004 The Gale Group
   File 16:Gale Group PROMT(R) 1990-2004/Dec 09
          (c) 2004 The Gale Group
*File 16: Alert feature enhanced for multiple files, duplicate
removal, customized scheduling. See HELP ALERT.
   File 160:Gale Group PROMT(R) 1972-1989
          (c) 1999 The Gale Group
   File 148:Gale Group Trade & Industry DB 1976-2004/Dec 09
          (c)2004 The Gale Group
*File 148: Alert feature enhanced for multiple files, duplicate
removal, customized scheduling. See HELP ALERT.
   File 20:Dialog Global Reporter 1997-2004/Dec 09
          (c) 2004 The Dialog Corp.
   File 35:Dissertation Abs Online 1861-2004/Nov
          (c) 2004 ProQuest Info&Learning
   File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
          (c) 2002 The Gale Group

        Set Items Description
        --- ----- -----------
?s (automated or automatic or automatically) (2n) vending or machine or device or unit)

>>>Unmatched parentheses
?s (automated or automatic or automatically) (2n) (vending or machine or vend or device
 or unit)
Processing
Processed 10 of 27 files ...
Processing
Processed 20 of 27 files ...
Completed processing all files
        1132373 AUTOMATED
        1540989 AUTOMATIC
        1503194 AUTOMATICALLY
         109712 VENDING
        2551114 MACHINE
           8157 VEND
        5542661 DEVICE
        5861388 UNIT
    S1 217808   (AUTOMATED OR AUTOMATIC OR AUTOMATICALLY) (2N) (VENDING
                 OR MACHINE OR VEND OR DEVICE OR UNIT)
?s1 and ((point) (3n) (issue or issuing or issued or distribute or distributing or dist
ribution or distributed or issuence or issuance or delivery or delivered or delivering
or deliver))
Processing
Processing
Processed 10 of 27 files ...
Processing
Processing
Processing
Processed 20 of 27 files ...
Processing
Processing

```
Processing
Processing
Processing
Processing
Completed processing all files
         34579740  1
          7034207  POINT
          5549825  ISSUE
           510504  ISSUING
          3396342  ISSUED
           754151  DISTRIBUTE
           398940  DISTRIBUTING
          6289455  DISTRIBUTION
          2459527  DISTRIBUTED
               20  ISSUENCE
           454623  ISSUANCE
          2902035  DELIVERY
          1718058  DELIVERED
          1251288  DELIVERING
          2600513  DELIVER
            79238  POINT(3N)(((... OR DELIVERED) OR DELIVERING) OR DELIVER)
     S2     42764  1 AND ((POINT) (3N) (ISSUE OR ISSUING OR ISSUED OR
                   DISTRIBUTE OR DISTRIBUTING OR DISTRIBUTION OR DISTRIBUTED
                   OR ISSUENCE OR ISSUANCE OR DELIVERY OR DELIVERED OR
                   DELIVERING OR DELIVER))
?s2 and (point or coupon) (2n) (manage or management or managing or managed or manages)

Processing
Processed  10 of  27 files ...
Processing
Processing
Processing
Processed  20 of  27 files ...
Processing
Processing
Completed processing all files
         29419670  2
          7034207  POINT
           243683  COUPON
          2320442  MANAGE
         14174664  MANAGEMENT
          3176164  MANAGING
          2491882  MANAGED
           727277  MANAGES
            33187  (POINT OR COUPON)(2N)((((MANAGE OR MANAGEMENT) OR
                   MANAGING) OR MANAGED) OR MANAGES)
     S3     14583  2 AND (POINT OR COUPON) (2N) (MANAGE OR MANAGEMENT OR
                   MANAGING OR MANAGED OR MANAGES)
?s3 and ((remote or portable or mobile) (5n) (terminal or monitor or device or transmit
ter or unit or computer or phone or handheld or hand-held or hand or wearable))
Processing
Processed  10 of  27 files ...
Processing
Processing
Processing
Processed  20 of  27 files ...
Processing
Processing
Processing
Processing
Completed processing all files
         23928937  3
          1518464  REMOTE
           797522  PORTABLE
          2582446  MOBILE
          1511809  TERMINAL
          1509294  MONITOR
```

```
           5542661  DEVICE
            238166  TRANSMITTER
           5861388  UNIT
           9329618  COMPUTER
           2886762  PHONE
            261632  HANDHELD
                20  HAND-HELD
           3871791  HAND
             30060  WEARABLE
            944327  ...
      S4   346263  3 AND ((REMOTE OR PORTABLE OR MOBILE) (5N) (TERMINAL OR
                    MONITOR OR DEVICE OR TRANSMITTER OR UNIT OR COMPUTER OR
                    PHONE OR HANDHELD OR HAND-HELD OR HAND OR WEARABLE))
```
?s ((point or coupon) (3n) (manage or management or managing or manages or managed or i
ssue or issuing or issued or issuance or issuence)) (25n) ((vend or vending) (3n) (mach
ine or device or unit or system or method))
Processing
Processed 10 of 27 files ...
Processing
Processing
Processing
Processed 20 of 27 files ...
Processing
Processing
Completed processing all files
```
           7034207  POINT
            243683  COUPON
           2320442  MANAGE
          14174664  MANAGEMENT
           3176164  MANAGING
            727277  MANAGES
           2491882  MANAGED
           5549825  ISSUE
            510504  ISSUING
           3396342  ISSUED
            454623  ISSUANCE
                20  ISSUENCE
              8157  VEND
            109712  VENDING
           2551114  MACHINE
           5542661  DEVICE
           5861388  UNIT
          15305050  SYSTEM
           6093274  METHOD
      S5       20  ((POINT OR COUPON) (3N) (MANAGE OR MANAGEMENT OR MANAGING
                    OR MANAGES OR MANAGED OR ISSUE OR ISSUING OR ISSUED OR
                    ISSUANCE OR ISSUENCE)) (25N) ((VEND OR VENDING) (3N)
                    (MACHINE OR DEVICE OR UNIT OR SYSTEM OR METHOD))
```
?s s5 and ((remote or portable or mobile) (5n) (terminal or monitor or device or transm
itter or unit or computer or wireless or phone or handheld or hand-held or hand or wear
able))
Processing
Processed 10 of 27 files ...
Processing
Processing
Processed 20 of 27 files ...
Processing
Completed processing all files
```
                20  S5
           1518464  REMOTE
            797522  PORTABLE
           2582446  MOBILE
           1511809  TERMINAL
           1509294  MONITOR
           5542661  DEVICE
            238166  TRANSMITTER
           5861388  UNIT
```

```
          9329618  COMPUTER
          2296315  WIRELESS
          2886762  PHONE
           261632  HANDHELD
               20  HAND-HELD
          3871791  HAND
            30060  WEARABLE
          1139454  ((REMOTE OR PORTABLE) OR MOBILE)(5N)...
     S6         5  S5 AND ((REMOTE OR PORTABLE OR MOBILE) (5N) (TERMINAL OR
                   MONITOR OR DEVICE OR TRANSMITTER OR UNIT OR COMPUTER OR
                   WIRELESS OR PHONE OR HANDHELD OR HAND-HELD OR HAND OR
                   WEARABLE))
?t s6/3,k/1
```

6/3,K/1   (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01439520
Discount method and device for an automatic vending machine
Rabattzuteilungsverfahren   und   Vorrichtung   fur   einen   automatischen
**   Verkaufsautomaten**
Methode d'allocation de rabais et dispositif pour machine de vente
PATENT ASSIGNEE:
  Mars Incorporated, (2654810), 6885 Elm Street, McLean, Virginia
    22101-3883, (US), (Applicant designated States: all)
INVENTOR:
  Lewis, Craig A, 469 Green Hill Lane, Berwyn, Pensylvania 19312, (US)
  Morun, Mark, 416 Chrislena Lane, West Chester, Pensylvania 19380, (US)
LEGAL REPRESENTATIVE:
  Burke, Steven David et al (47741), R.G.C. Jenkins & Co. 26 Caxton Street,
    London SW1H 0RJ, (GB)
PATENT (CC, No, Kind, Date): EP 1225548 A2 020724 (Basic)
                              EP 1225548 A3 040922
APPLICATION (CC, No, Date):   EP 2002250446 020122;
PRIORITY (CC, No, Date): US 767792 010123
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
  LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G07F-007/02; G07F-005/16
ABSTRACT WORD COUNT: 35
NOTE:
  Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200230	1397
SPEC A	(English)	200230	5457
Total word count - document A			6854
Total word count - document B			0
Total word count - documents A + B			6854

...SPECIFICATION with bonuses or special discounts on particular vending
  items by issuing tokens or coupons based on the consumer's history of
  purchases tracked by the *remote* management system.
    The discount *device* may be implemented to give out pertinent
  information on the use of tokens or coupons with a deposit of a token or
  coupon along with...a soft drink, then a snack coupon may be dispensed to
  encourage the customer to buy a snack to go with the drink from another
  vending *machine* that accepts coupons. If a snack has been purchased,
  then a *coupon* may be *issued* for purchase of a drink. In addition, the
  coupon may be redeemable in any *vending* *machine* capable of validating
  it, including the *vending* *machine* that dispensed the coupon.
    While various implementations have been described and shown in the
  drawings, the implementations are merely illustration and not restrictive
  of the...

?t s6/3,k/2

6/3,K/2   (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

01047162   **Image available**
COOPERATIVE VENDING MACHINE DATA REPORTING
RAPPORT DE DONNEES DE DISTRIBUTEUR AUTOMATIQUE COLLECTIF
Patent Applicant/Assignee:
   VENDING MANAGEMENT SERVICES LTD, 25 Norfolk Road, Masterton, NZ, NZ
      (Residence), NZ (Nationality)
Inventor(s):
   HARDEN Simon, 27 Aktinson Street, Masterton, NZ,
Legal Representative:
   TERRANOVA Steven N (agent), Withrow & Terranova, PLLC, Post Office Box
      1287, Cary, NC 27512, US,
Patent and Priority Information (Country, Number, Date):
   Patent: WO 200377212 A2-A3 20030918 (WO 0377212)
   Application: WO 2003US6781 20030307 (PCT/WO US03006781)
   Priority Application: US 200293755 20020308
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
   AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
   EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
   LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG
   SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
   (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
   SI SK TR
   (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
   (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
   (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 6473

Fulltext Availability:
   Detailed Description
   Claims

English Abstract
   ...equipped with a short range communication circuit for uploading
   vending machine data to passing mobile terminals. The mobile terminals
   subsequently upload the data to a *remote* location through a *wireless*
   communication process, such as through a cellular phone call.
   Compensation may be provided to the user of the *mobile* *terminal* and
   aggregation between *mobile* terminals and/or vending machines is
   contemplated.

French Abstract
   ...distant a travers un procede de communication sans fil, notamment a
   travers un appel telephonique cellulaire. Une compensation peut etre
   fournie a l'utilisateur du *terminal* *mobile* et une agregation
   envisagee entre les terminaux mobiles et/ou les distributeurs
   automatiques.

Detailed Description
... machine data to the cellular phone. When the cellular phone
   subsequently
   passes into an area with the appropriate cellular service, the cellular
   phone
   places a *phone* call to a *remote* location and uploads the vending
   machine
   data to the *remote* location *computer*.

   [0008] In an exemplary embodiment, the cellular phone may wait until a

non-peak time to send the data to the *remote* location. Further, the cellular
phone operator may be compensated for the use of his cellular phone and any calling plan minutes used to relay vending machine data. Various types of compensation are contemplated.

[0009] In another exemplary embodiment, the cellular phone may aggregate vending machine data from multiple vending machines before making the *phone* call to the *remote* location.

[0010] In still another embodiment, the cellular phone may pass by another
cellular phone, both having vending machine data thereon. The cellular phone with...is an exemplary hardware diagram of a system that implements the present invention;
[0015] Figure 3 is a flow chart illustrating the vending machine to *mobile*
terminal to *remote* location processes;
[0016] Figure 4 is an exemplary hardware diagram of an alternate embodiment of the present invention;
[0017] Figure 5 is a flow chart...the present
invention is illustrated in Figure 2. The vending machine 10 communicates over a short range with a short range signal 36 to a *mobile* *terminal* 40 that passes by the vending machine 1 0. The *mobile* *terminal* 40 may be a cellular phone, a personal digital assistant, a two way pager, a laptop equipped with a
cellular modem, or the like. Such mobile terminals are also sometimes referred to as pervasive computing devices. The *mobile* *terminal* 40 comprises a short range communication circuit 42 that, in a preferred embodiment, is compatible with the short range communication circuit 38 of the vending 36 may be
almost any environmentally safe signal that has an operative range of approximately five meters or less.

[0031] The *mobile* *terminal* 40 is also equipped with a long range communication circuit 44 that communicates through a base station 46 to a *remote* central *computer* 48 at a *remote* location via a long range communication signal 50. The long range communication signal 50 may be any number of conventional long range wireless communication signals... SMS) or the like could also be
used if needed or desired.

[0032] The process by which the vending machine 1 0 communicates with the *remote* central *computer* 48 is illustrated as a flow chart in Figure 3.

Specifically, a user, who may be using the vending machine, brings the *mobile* *terminal* 40 proximate the vending machine 1 0 (block 1 00). Note that
the user need not actually use the vending machine 10, but merely pass within range of the short range communication circuits 38, 42.

[0033] The vending machine 10 and the *mobile* *terminal* 40 establish a short range communication link (block 102). In an exemplary embodiment, the vending machine 10 periodically sends out an inquiry from the short
...

...relationship set up so that communication according to the protocol may occur. Similar schemes may be used for other protocols. In an alternate embodiment, the *mobile* *terminal* 40 may initiate the contact, either
through a user command or by periodically polling for short range communicators in the field of the short range communication circuit 42. This may unnecessarily drain the battery of the *mobile* *terminal* 40, but it is an option.

[0034] The vending machine IO may then verify that the *mobile*

terminal 40
that has responded over the short range communication link is in fact a participant in the cooperative data handling process (block 104). This may0035] The vending machine 10 sends the vending machine data to the *mobile* *terminal* 40 (block 106). This may be in a burst transmission, encrypted, or otherwise handled so as to achieve an efficient, secure transmission between the vending machine 10 and the *mobile* *terminal* 40.

The *mobile* *terminal* 1 0 may include memory as is conventional, and store the vending machine data therein.

[0036] After receiving the vending machine data, the *mobile* *terminal* 40
establishes a communication link to the *remote* central *computer* 48 (block 108). This communication link may be done periodically, such as once a day, or ...data was collected
from the vending machine 10. The communication link may be created by placing a phone call to a number associated with the *remote* central *computer* 48 over a cellular connection or other technique as needed or desired.

However, it is contemplated that the *mobile* *terminal* 40 will make this
connection with the long range communication circuit 44. Alternatively, the
remote central *computer* 48 may periodically place a call to the *mobile*
terminal 40 to establish the link. In yet another embodiment, the *mobile*
terminal 40 periodically docks with the *remote* central *computer* 48 to
establish a communication link. In still another embodiment, the *mobile* *terminal* 40 is periodically connected to a landline and a communication link is established over a landline rather than wirelessly through the long range communication circuit 44.

[0037] After establishing the communication link between the *mobile* *terminal* 40 and the *remote* central *computer* 48, the *mobile* *terminal* 40 sends the vending machine data to the *remote* central *computer* 48 (block 1 1 0).

Again, there may be an authentication step (not shown) or the like as needed
or desired. The data may ...proprietary
information, and other security measures could be taken if desired.
[0038] While not shown, an additional step may be clearing the memory of the *mobile* *terminal* 1 0 of the vending machine data so that the *mobile* *terminal* 10 may reuse that memory. Alternatively, the vending machine data may be kept until a time stamp threshold has passed; e.g. when the vending...terminals 40 and report it only once, thereby saving on charges associated with, for example, a cellular phone call. In a first alternate embodiment, the *mobile* *terminal* 40 may pass a plurality of vending machines 10 and collect vending machine data from each one in turn. Then, when the periodic call is placed to the *remote* central *computer* 48, all of the vending machine data is ...is met, and then the call is placed.

[0040] For example, if each burst of vending machine data takes seven seconds to transmit to the *remote* central *computer* 48, then the *mobile*
terminal 40 may collect data from eight vending machines 1 0 before sending the vending machine data to the *remote* central *computer* 48. Data from eight
vending machines would equal approximately fifty-six seconds of vending machine data to be transmitted. Since cellular calls are usually ...also be associated with the vending machine data, so that regardless of how

many additional vending machines 10 have provided vending machine data to
the *mobile* *terminal* 40, once the data has been resident upon the
mobile
terminal for a predetermined amount of time, the *mobile* *terminal* 40
sends the data to the *remote* central *computer* 48. For example, once
the data is twenty hours old, the *mobile* *terminal* 40 attempts to make
a call to the *remote* central *computer* 48.

[0041] In still another embodiment, illustrated in Figure 4, the data may
be sent to the *remote* central *computer* 48 indirectly. Specifically,
the vending
machine 10 sends the vending machine data to the *mobile* *terminal* 40,
as
previously described. However, before the *mobile* *terminal* 40 sends
the
vending machine data to the *remote* central *computer* 48, the *mobile*
terminal
40 comes into close proximity of a second *mobile* *terminal* 52. Close
proximity in this context is within short range communication distance
(i.e. less
than five meters). The second *mobile* *terminal* 52 may comprise a short
range communication circuit 54, and a short range communication signal 56
may pass between the two mobile terminals 40, 52.
[0042] The vending machine data may then be transferred to the second
mobile *terminal* 52. The second *mobile* *terminal* 52 may comprise a
long
range communication circuit 58 which establishes a long range
communication link 60 to the *remote* central *computer* 48, just as
previously described and illustrated in Figures 2 and 3 for a single
mobile *terminal* 40 embodiment.

[0043] The process of this multiple *mobile* *terminal* 40, 52 embodiment
is
illustrated in Figure 5. The process begins as earlier described, wherein
the *mobile* *terminal* 40 secures the data from the vending machine 10
(block 150).

Sometime subsequent to securing the vending machine data, the *mobile*
terminal 40 comes into close proximity with the second *mobile*
terminal 52 (block 152).

[0044] The two mobile terminals 40, 52 ...This
periodic polling may be done according to the Bluetooth protocol, the
IEEE
802.11 protocol, or other standard as previously discussed in the single
mobile *terminal* 40 embodiment. Upon receipt of a positive response, a
communication link 56 is established. Alternatively, the user may actuate
a command in the *mobile* *terminal* 40 and/ or 52 and cause the *mobile*
terminal 40, 52 to poll the surrounding area for a nearby short range
communicator.

[0045] Once the communication link 56 is established, the mobile
terminals 40, 52 may determine which *mobile* *terminal* 40, 52 has
priority over the other (block 156). This may be done by comparing time
stamps as to which *mobile* *terminal* 40, 52 has the older data and thus
needs to send the data to the *remote* central *computer* 48 sooner.
Alternatively, because *mobile* terminals
40, 52 may have data from multiple vending machines 10 stored in memory,
the *mobile* *terminal* 40, 52 with the largest amount of data already
present in
memory is determined to have priority. In still another embodiment, the
mobile *terminal* 40, 52 that has the higher battery charge is
determined to have priority. This increases the likelihood that the
mobile *terminal* 40, 52 will
be able to contact the *remote* central *computer* 48. Other schemes for
determining priority are also possible.
[0046] After the priority is determined, the data is sent to the *mobile*

terminal 40, 52 with priority (block 158). In the embodiment shown, *mobile* *terminal* 52 has priority and thus receives the data from the *mobile* *terminal* 40 over the communication link 56.

[00471 In an alternate embodiment, the mobile terminals 40, 52 exchange data so that both mobile terminals 40, 52 have both sets of data. This redundancy may increase the likelihood that the *remote* central *computer* 48 receives the data, but may also put a strain on the networks that convey the information, such as the PLIVIN. Also, the *remote* central *computer* 48 would need some way to determine that the data is duplicative so that it is not accounted for twice. This may be done with...a unique ID and/or date/time stamp of the vending machine 1 0 to which it pertains.

[0048] After the exchange of information, the *mobile* *terminal* 52 that has priority, and has all the data, contacts the *remote* central *computer* 48 (block
160). This may be done by placing a call over the PLMN through a long range communication link 60 or other equivalent technique as described above with reference to block 108 above.
[0049] The data is then sent to the *remote* central *computer* 48
(block
162). Again, the establishment of the communication link 60 may be done periodically or after a certain time threshold has expired or the participation. If a user desires to allow the cellular phone to participate in the system of the present invention, the user's *mobile* *terminal* 40 is configured to recognize short range communications
from the vending machine 10 and other mobile terminals 40, 52 as discussed herein. A process by...

...00511 Initially, potential users are identified (block 200). This may be done by surveys, questionnaires, or the like. For example, when a user buys a *mobile* *terminal* 40, the vendor may include a brochure for the service ...The users accept the solicitation (block 204) and agree to participate in the incentivized plan to facilitate vending machine data collection
and transmission to the *remote* central *computer* 48. The users may download software to their mobile terminals 40 so as to provide the present functionality and be assigned a unique identifier in the process. Alternatively, their unique identifier may be their *mobile* identification number, a *phone*
number associated with the *mobile* *terminal* 40, or the like as needed or
desired. The software transfer may be done wirelessly, through a diskette, or the like as needed or desired.

[0054] The users that have agreed to participate then facilitate the transmission of the vending machine data to the *remote* central *computer* 48
by periodically visiting the vending machines 10 (block 206). In some instances, this may be part of their daily routine as they purchase a... preferred embodiment, multiple users would interact with the vending machine 1 0, thus increasing the likelihood that the vending machine data was passed to a *mobile* *terminal* 40 for later transmission to the *remote*
central *computer* 48,
[0055] In exchange for this facilitation and the use of the mobile terminals 40, the users may receive a credit (block 208). In acheck, or the like. In a
second embodiment, this credit may comprise a *coupon* that is *issued* to the
user and that may be redeemed for the purchase of goods. In an exemplary embodiment, the coupon is for goods sold in the *vending* *machine* 1 0. Rebate
coupons may also be provided. In a third embodiment, the users receive a credit in the form of an electronic discount on passed the threshold a

free item is provided from the vending machine. For example, after ten transmissions to the *remote* central *computer* 48, a soda is dispensed for the user. To this end, the unique identifier discussed above may be used. Additionally, the authorization sequences used above...

...to the proper user.

[0056] Depending on the nature of the credit, the vending machine 1 0 may have to do the verification. Alternatively, the *remote* central *computer*   48 may
do the verification and provide the *mobile* *terminal* 40 with a code that
authorizes the credit in a vending machine 10. Therefore, *remote* central
computer 48 may reference a database to provide this credit. Alternatively, the *mobile* *terminal* 40 may reference a database associated with the *remote* central *computer* 48 as needed or desired. Other arrangements for the credit are also possible.
[0057] Upon receipt of the credit, the user may redeem the credit...

Claim
1 A *mobile* *terminal*, comprising:
a short range communication circuit that wirelessly collects vending machine data from a vending machine; and
a long range communication circuit that wirelessly sends said vending machine data to a remote location through a base station.

2 The *mobile* *terminal* of claim 1, wherein said short range communication
circuit comprises a Bluetooth communication circuit.

3 The *mobile* *terminal* of claim 1 , wherein said long range communication
circuit comprises a cellular communication circuit.

4 The *mobile* *terminal* of claim 1, wherein said short range communication
circuit comprises an IEEE 802.11 compatible communication circuit.

5 The *mobile* *terminal* of claim 1, wherein said short range communication
circuit collects said vending machine data from the vending machine indirectly, through a second *mobile* *terminal*.

6 The *mobile* *terminal* of claim 3, wherein said cellular communication circuit sends said vending machine data to the remote location by placing a call.

7 A communication system, comprising:
a vending machine, comprising a first short range communication circuit; and
a *mobile* *terminal*, comprising:
a second short range communication circuit, selectively communicating with said first short range communication system to secure vending machine data from said vending machine...system of claim 7, wherein said first and second short range communication circuits comprise Bluetooth modules.

9 The communication system of claim 7, wherein said *mobile* *terminal* comprises a cellular *phone*.
1 0. The communication system of claim 7, wherein said long range communication circuit comprises a link to the PLIVIN.
1 1. The communication system day.
12 The communication system of claim 7, wherein said *mobile* *terminal* accrues credits for communicating said vending machine data from said vending machine to the remote location.

13 The communication system of claim 7, further comprising a second
vending machine, said *mobile* *terminal* collecting vending machine data
from
said second vending machine and combining the vending machine data from
said second vending machine with the vending machine data...

...said
vending machine prior to sending the vending machine data to the remote
location.

14 A communication system for communicating vending machine data to a
remote location through a *wireless* communication network,
comprising:
a vending machine comprising a first short range communication
circuit;
a first *mobile* *terminal* comprising a second short range communication
circuit;
a second *mobile* *terminal* comprising a third short range
communication circuit and a long range communication circuit;
said vending machine sending the vending machine data to said first
mobile *terminal* from said first short range communication circuit to
said
second short range communication circuit;
said first *mobile* *terminal* sending the vending machine data to said
second *mobile* *terminal* from said second short range communication
circuit to
said third short range communication circuit;
said second *mobile* *terminal* sending the vending machine data to a
remote location through said long range communication circuit.

15 The communication system of claim 14, wherein said short...

...circuits are selected from the group consisting of: Bluetooth modules
and 802.11 compatible circuits.

16 The communication system of claim 14, wherein said second *mobile*
terminal sends the vending machine data to a *remote* location by
placing a *phone* call to the *remote* location.

17 The communication system of claim 14, wherein said second *mobile*
terminal collects vending machine data from a plurality of vending
machines prior to sending the vending machine data to a remote location.

18 The communication system of claim 14, wherein said second *mobile*
terminal sends the vending machine data through the PLMN.

19 An incentivized system for reporting vending machine data to a remote
location, comprising:
a vending machine, comprising a first short range communication
circuit and data;
a *mobile* *terminal*, comprising a second short range communication
circuit and a long range communication circuit;
said *mobile* *terminal* receiving the vending machine data from said
vending machine through said first and second short range communication
circuits and passing the vending machine data to a remote location for
further
 processing through said long range communication circuit; and
said *mobile* *terminal* having a credit associated therewith in exchange
for passing the vending machine data to the remote location.

20 The system of claim 19, wherein said...the group consisting of a
Bluetooth module and a module based on the IEEE 802.11 standard.
26 The system of claim 19, wherein said *mobile* *terminal* is a cellular
phone.

27 The system of claim 19, wherein said credit is provided monthly.

28 The system of claim 19, wherein said credit is stored in said *mobile*
terminal.

29 The system of claim 19, wherein said credit is stored in said vending machine.

30 A method of incentivizing relay communications between a vending machine and a remote location, said method comprising:
uploading vending machine data from the vending machine to a *mobile* *terminal* associated with a third party;
receiving the vending machine data from the *mobile* *terminal* at the *remote* location via a long range *wireless* communication;
providing a credit to the third party in exchange for sending the vending machine data.

31 The method of claim 30, wherein providing a...is reached and then providing a free good for the credit.

35 The method of claim 30, wherein receiving the vending machine data from the *mobile* *terminal* at the *remote* location via a long range *wireless*
communication comprises receiving a *phone* call from the *mobile* *terminal*
over the PLMN.

36 The method of claim 30, wherein arranging to upload vending machine data from the vending machine to a *mobile* *terminal* associated with a third party comprises wirelessly uploading the data to the *mobile* *terminal*.

37 The method of claim 36, wherein wirelessly uploading the vending machine data to the *mobile* *terminal* comprises uploading the vending machine data with a Bluetooth module.

38 The method of claim 30, further comprising receiving from the *mobile* *terminal* vending machine data from a plurality of vending machines.

39 A method of communicating, comprising:
determining that a *mobile* *terminal* is proximate a vending machine;
uploading vending machine data from the vending machine to the *mobile* *terminal* via a short range communication circuit;
receiving, at a remote location, the vending machine data from the *mobile* *terminal* over a long range communication circuit.

40 The method of claim 39, wherein determining that a *mobile* *terminal* is
proximate a vending machine comprises establishing a short range communication loop via one of the modules selected from the following group consisting of: a Bluetooth module and an IEEE 802. 11 module.

41 The method of claim 39, wherein uploading vending machine data from the vending machine to the *mobile* *terminal* via a short range communication
circuit comprises uploading the vending machine data via a communication circuit selected from the group consisting of: a Bluetooth communication
...

...an IEEE 802.11 compatible communication circuit.

42 The method of claim 39, wherein receiving, at a remote location, the vending machine data from the *mobile* *terminal* over a long range communication circuit comprises receiving the vending machine data over a phone line.

43 A method of communicating, comprising:
passing by a vending machine with a *mobile* *terminal*;

receiving, at the *mobile* *terminal* from the vending machine, vending
machine data relating to the vending machine;
subsequently transmitting, wirelessly, over a long range communication
circuit the vending machine data...

...45 The method of claim 44, wherein receiving data from at least one
other
vending machine comprises receiving the vending machine data from a
second *mobile* *terminal*.

46 The method of claim 45, wherein receiving the vending machine data
from a second *mobile* *terminal* comprises receiving the vending machine
data
from a second *mobile* *terminal* through a module selected from the
group
consisting of: a Bluetooth module and an IEEE 802.11 compatible module.
47 The method of claim 45, further comprising determining priority
between
the two *mobile* terminals as to which *mobile* *terminal* should receive
the
vending machine data from the other.

48 The method of claim 43, wherein subsequently transmitting the vending
machine data comprises placing a...
?t s6/3,k/3

6/3,K/3   (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00831902   **Image available**
SYSTEM AND METHOD FOR ELECTRONIC DISTRIBUTION OF BENEFITS
**SYSTEME ET PROCEDE PERMETTANT DE FOURNIR DE MANIERE ELECTRONIQUE DES
    PRESTATIONS**
Patent Applicant/Assignee:
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  ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
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  Detailed Description

Claims

Detailed Description
... 1 5 benefits distribution.

Yet another advantage is to provide an efficient means for introducing
benefits credits information into a data base utilizing a network
terminal or a *remote* *terminal* connected to the data base by an
Internet connection.

The electronic benefits distribution system of an exemplary embodiment
utilizes a central computer accessible via a...7 days, and rail fast
pass, e.g., unlimited rail only use for a specified period. The pass type
change is initiated at the express *vending* *machine* 26 and does not
require the smart card 30 to be returned to a *point* of *issue* 12 for
exchange.

The benefits system 2 allows a patron 24 to "toggle" between pass types
while maintaining an unrestricted cash purse. Card type changes...

Claim
... the at least one smart card.

4 The system for distributing benefits as in claim 1, further comprising:
a web server connected to the central *computer*; and
a *remote* *terminal* connected to the web server by means of an internet
connection, the *remote* *terminal* for inputting benefits information. -
25

5 The system for distributing benefits as in claim 4, further comprising
a smart card read/write device connected to...

...distributing benefits as in claim 16, wherein step of
maintaining a benefits data base includes entering benefits data into the
benefits data base utilizing a *remote* *terminal*.

18 The method of distributing benefits as in claim 17, wherein the
remote *terminal* is connected to the main computer by means of an
Internet connection.

19 The method of distributing benefits as in claim 16, wherein the step
...
?t s6/3,k/4

6/3,K/4   (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00411544
VARIABLE BURST REMOTE ACCESS APPLICATION MESSAGING METHOD AND APPARATUS
DISPOSITIF ET PROCEDE DE MESSAGERIE PRESENTANT UN ACCES CONTINU VARIABLE A
    DISTANCE
Patent Applicant/Assignee:
  AERIS COMMUNICATIONS INC,
  LA DUE Christoph,
Inventor(s):
  LA DUE Christoph,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9802004 A2 19980115
  Application: WO 97US16176 19970710 (PCT/WO US9716176)
  Priority Application: US 9621516 19960710; US 96696250 19960813
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AL AM AT AT AU AZ BA BB BG BR BY CA CH CN CU CZ CZ DE DE DK DK EE EE ES
  FI FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
  MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK SL TJ TM TR TT UA UG US UZ

VN YU ZW GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE
DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE
SN TD TG

Fulltext Availability:
  Detailed Description
  Claims

Detailed Description
... relates to systems for transmitting and receiving wireless data
  messages. More specifically, the invention relates to data transmission
  methodologies and apparatuses for data messaging on *wireless*
  communications networks such as Cellular *Mobile* Telephone
  (CMT),Personal Communication Systems (PCS), Global System for Mobile
  (GSM), and mobile satellite networks such as Iridium Satellite and
  Teledisc Satellite communications networks.

  2...networks allowing for two-way data messaging, paging, text
  communication for short messaging, file transfer and Internet access over
  cellular, personal communications systems (PCS), and *mobile* satellite
  networks.
  Examples of *wireless* communications networks allowing for two-way
  communications include cellular mobile radiotelephone (CMR), which is
  linked to the public switched telephone network (PSTN) and allows for
  communications between two mobile radiotelephone users or between a
  mobile radiotelephone user and a conventional *phone*. Conventional CMR
  networks feature a radio coverage area divided into smaller coverage
  areas or "cells" using power transmitters and coverage-restricted
  receivers. The limited coverage...applicable to PCS providing thereby a
  solution to such aforementioned limitations and demands.

  I 0 The disclosed method and apparatus may also be used with *mobile*
  satellite *wireless* networks, and acts as a public-land-mobile-overlay
  (PLMN) when signaling systems such as signaling system seven (SS7),
  IS-41, CITT Blue Book and...

...at a communicator, for example, a cellular phone, pager, debit phone, or
  the like, thereby providing a transparent upgrade and enhanced
  communication capacity on the *wireless* communications network. This
  variable burst *remote* access application messaging (VBRAAM) methodology
  may 1 5 be utilized on wireless communications networks, such as
  cellular, PCS, or mobile satellite.
  The selected data message...destination. Message waiting indicators may
  be sent back to the user via the SS7 network to the current serving
  network, and then telayed to the *mobile* *phone* user via forward
  channels or reverse voice channels, traffic channels, or control
  channels. The present invention utilizes the remote access feature
  control parameter quite uniquely...

...module routing ports. For example, during a remote feature access
  control operation, a currently serving switch reserves and routes a
  forward voice channel to the *mobile* *unit* that has activated the
  remote feature access control operation. The switch also routes the
  assigned voice or traffic channel to a sound card or tone generator that
  is interfaced with...

...the present invention MPPC. The MPPC functions as a data protocol
  converter and data processing terminal that is 1 5 preferably rack
  mounted at the *mobile* switching center (MSC). The MPPC *unit* may also
  function as a point-of-presence (POP) on the Internet world wide web
  (WVAV). Software and hardware means connect the MPPC unit logically...can
  be used for a wide variety of data messaging applications.

  Accordingly, there is also provided a method for data communication in or
  for a *wireless* communications network where a *remote* feature access

control operation utilizes switch means to 1 5 reserve and route selected voice channels or traffic channels in response to the remote feature... forward and reverse voice and traffic channels.

Communicator means are also disclosed, including a communicator apparatus with means for data communication in or for a *wireless* communications network where a *remote* feature access control operation utilizes switch means to reserve and route selected voice channels or traffic channels in response to the remote feature access control...

...It is an object of the invention to provide both a means and method for real-time metered billing for use in landline, cellular, PCS, *mobile* satellite, and other *wireless* communications networks.

1 5 It is an object of the invention to provide both a means and method for preventing fraud and cloning in wireless...manner to accomplish a similar purpose.

Accordingly there is provided a method for full-duplex data communication in or for a digital or analog based *wireless* communications network, where a *remote* feature access control operation utilizes switch means to reserve and route selected voice channels or traffic channels in response to the remote feature access control may be provided configured for communication over a wireless communications network as, for example, a *mobile* *phone*, a pager, a *phone* configured for real-time metered billing and debit messaging and tracking (DEBIT), a meter reader, a communicator for monitoring and control of remote stationary devices, a communicator for monitoring and control of remote mobile devices, and the like. The communicator referably comprises: means for data communication in or for a *wireless* communications network where a *remote* feature access control operation utilizes switch means to reserve and route selected voice channels or traffic channels in response to the remote feature access control...

...the VBRAAM methodology are shown. The VBRAAM method may be used in or for a wireless communication network such as a cellular network, PCS, or *mobile* satellite *wireless* communications network, where a *remote* feature access control operation, which is a conventional remote feature access control operation in such network, utilizes switch means to reserve and route selected voice...In Fig. IA, a VBRAAM full-duplex messaging pathway and apparatuses are shown, and as previously mentioned, may be applied to any cellular, PCS, or *mobile* satellite *wireless* communications network. The VBRAAM communicator 100, which may be configured as a
- WO 98/02004 15 . ._ PCTfUS97/16176
mobile cellular *phone*, pager, PCS communicator *device*, Personal Digital Assistant (PDA) device, or the like, sends and receives data messages, such as selected data message 504 on the selected voice or traffic...to 498.

Such application-specific applications such as 484 to 498 include two-way paging, metered billing and debit related data transfer, PDA, home arrest, *wireless* gaming and/or gambling, stationary *remote* control, and the other shown applications. MPPC 351 is configured to convert any data message it receives from MC 353 into any downlink pathway serving... to Fig. IC, communicator I 00, which may be any communicator device for use in or for a wireless communications network, and configured as a *mobile* *phone*, a pager, a debit *phone* (DEBIT), which is a cellular phone configured for metered real-time billing and debit transactions, a personal communication services PCS device, a Personal Digital Apparatus (PDA), a stationary *device*, a *mobile* *device* control apparatus, or other communicator device operable on a wireless communications network. In this example, the communicator either receives or transmits 219 a selected data...a credit monitoring company, a debit bank center, a stationary device control and monitoring center for meter reading or remote environmental monitoring, for example, a *mobile* *device* control and monitoring center for tracking vehicles, ships, material flow,

packages, or other applications as in 484-498 in Fig. 1 B. The MCMS 106
...

...The VBRAAM messaging center I 0 (MC) is shown having received 356 data
message 504 from an application-specific bearer/facilitator such as a
stationary *device* monitoring facilitator, a *mobile* *device*
monitoring facilitator, debit bank center 120 as shown in Fig. 2, or the
like, via the public switched telephone network (PSTN) I 00 and/or...may
cause a VBRAAM selected data message 103, to be sent for various
purposes, such as two-way communication, paging, control of a stationary
or *mobile* *device*, *remote* monitoring, and the like. However, for a
great majority of VBRAAM data message packet transmission events,
communicator I 00 is programmed to automatically direct registration...
deemed registration status events (RSE). However, to the currently
serving cellular, PCS system, or mobile satellite network, the RSE is
nothing more than a cellular *phone* user, for example, requesting
remote feature access operation during a system access origination
procedure. Therefore, such utilized RSEs are effectively transparent to
the currently serving cellular network. The communicator's...other types
of possible selected messages include VBRAAM debit phone encrypted
instructions: (a) for single number access; (b) anti-fraud and
anti-cloning instructions; (c) *wireless* system *remote* control; (d)
sleeper *phone* control; and (e) global positioning reports. If
communicator I 00 is also configured as a personnel management tool that
includes a fully integrated global positioning...this ten-number code
comprises the CIN. This number appears similar to a conventional
ten-digit directory number. A person dialing this number ftom another
mobile or from a landline *phone* could not reach the communicator I 00
user with the CIN number. 'Me CIN and CSN are used for metered billing
and debit identification by...

...word 131 is preferably a conventionally configured origination packet,
with the first word of called address used to send dialed digits entered
by a conventional *mobile* *phone* user, for example. However, with the
VBRAAM method, the D word is designated the applicationspecific H word
one, or H[I] word 13 1. For...load partitioning, and electrical load
management for commercial and residential uses, smart home management
systems, security systems, gas and oil well head management and control,
vending *machine* management and control, environmental systems
management and control, *point*-of-sale data messaging, credit card
verification, and the like. The reverse RAAM short messaging aspect of
the system is transmitted on the control channels...

Claim
   1 A method for data communication in or for a *wireless* communications
   network, where a *remote* feature access control operation utilizes
   switch means to reserve and route selected voice channels or traffic
   channels in response to the remote feature access control...selected data
   message includes data for controlling a paging device.

   37 The method of claim 1, wherein said selected data message includes
   data for a *remote* control of a *wireless* system.

   38 The method of claim 1, wherein said selected data message includes
   data for a control of a sleeper phone.

   39 The method of...loading parameter table values for said identification
   number and said serial number at the MSC.

   69 A method for data communication in or for a *wireless* communications
   network where a *remote* feature access control operation utilizes switch
   means to reserve and route selected voice channels or traffic channels in
   response to the remote feature access control...for said identification
   number and said user serial number at the MSC.
   92 A communicator apparatus, comprising:
   means for data communication in or for a *wireless* communications
   network where a *remote* feature access control operation utilizes switch

means to reserve and route selected voice channels or traffic channels in
    response to the remote feature access control...
?t s6/3,k/5

 6/3,K/5   (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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07822835   **Image available**
ARTICLE SALES PROMOTION SYSTEM

PUB. NO.:   2003-317136   [JP 2003317136 A]
PUBLISHED: November 07, 2003 (20031107)
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               YORITA KOJI
APPLICANT(s): FUJI ELECTRIC CO LTD
APPL. NO.:   2002-118501   [JP 2002118501]
FILED: April 19, 2002 (20020419)

                          ABSTRACT
...do complicated operation.

SOLUTION: The article sales promotion system which gives the buyer points
as additional value corresponding to sales of articles is equipped with
portable *terminal* equipment 10 which holds a *point* data file as
management information on points by previously performing registration
processing by a *point* *management* device 30 and an automatic *vending*
machine 20 which performs addition processing for points corresponding to
a solid article for the point data file when the article is sold on
condition that the *portable* *terminal* 10 that the buyer owns is
subjected to registration processing.

?

7 and ((remote or portable or
mobile) adj5 (terminal or monitor
or device or transmitter or unit or
computer or phone or handheld or
hand-held or hand or wearable))

- Drafts
  - IS&R:
  - BRS:
  - IS&R:
  - BRS: 4 and
- Pending
- Active

L1: (28748) (point) adj3 (issue or issuing or issued or distribute or distributing or distributed.
L2: (24039) 1 and (automated or automatic or automatically or vending or machine or device or unit.
L3: (5145) 2 and ((predetermine or predetermined or predetermining or determine or determined or.
L4: (377) 3 and ((predetermine or predetermined or predetermining or determine or determined or d.
L5: (3) 4 and (((automated or automatic or automatically) adj2 (vending or machine or device or u.
L6: (3) 5 and ((remote or portable or mobile) adj5 (terminal or monitor or device or transmitter.
L7: (366) 6 and ((automated or automatically) adj2 (vending or machine or device or device or unit.
L8: (51) 7 and ((remote or portable or mobile) adj5 (terminal or monitor or device or transmitter.
L9: (33) 8 and (coupon or voucher or promote or promotion or promoting)

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- Tagged (0)
- UDC
- Queue
- Trash

#		Document ID	Issue Date	Pages	Title	Current OR	Current Xref	Retrieval C	Inventor		
1	US A1	20040249711	20041209	61	Method and apparatus for managing vending machine	705/14	700/231		Walker, Jay S. et al.	R	
2	US A1	20040221349	20041104	96	Cash dispensing automated banking machine deposit	902/9			Beskitt, William D. et al.	R	
3	US A1	20040215567	20041028	96	Cash dispensing automated banking machine deposit	705/43			Haney, Sean et al.	R	
4	US A1	20040207682	20041021	95	Cash dispensing automated banking machine deposit	347/20			Haney, Sean et al.	R	
5	US A1	20040207151	20041021	95	Cash dispensing automated banking machine deposit	271/264			Beskitt, William D. et al.	R	
6	US A1	20040207143	20041021	96	Cash dispensing automated banking machine deposit	271/1	o		Beskitt, William D. et al.	R	
7	US A1	20040206811	20041021	96	Cash dispensing automated banking machine deposit	235/379			Enright, Jeffery M. et al.	R	
8	US A1	20040206767	20041021	96	Cash dispensing automated banking machine deposit	221/9			Haney, Sean et al.	R	
9	US A1	20040035762	20040226	12	Organizing a plurality of items into a delivery point	209/584	209/900		Brown, John W.	R	
10	US A1	20040015493	20040122	24	Address matching	707/3			Garner, Michael C. et	R	

Drafts
IS&R:
BRS:
IS&R:
BRS: 4 and
Pending
Active
L1: (28748) (point) adj3 (issue or issuing or issued or distribute or distributing or distributed.
L2: (24039) 1 and (automated or automatic or automatically or vending or machine or device or unit
L3: (5145) 2 and ((predetermine or predetermined or predetermining or determine or determined or..
L4: (377) 3 and ((predetermine or predetermined or predetermining or determine or determined or d..
L5: (3) 4 and (((automated or automatic or automatically) adj2 (vending or machine or device or u..
L6: (3) 5 and ((remote or portable or mobile) adj5 (terminal or monitor or device or transmitter..
L7: (366) : (automated or automatic or automatically) adj2 (vending or machine or device or unit).
L8: (51) 7 and ((remote or portable or mobile) adj5 (terminal or monitor or device or transmitter.
L9: (33) 8 and (coupon or voucher or promote or promotion or promoting)
Failed
Saved
Favorites
Tagged (0)
UDC
Queue
Trash

#	Document ID	Issue Date	Pages	Title	Current OR	Current Xref	Retrieval C	Inventor	B	C

((automated or automatic or
automatically) adj2 (vending or
machine or device or unit) adj3
(product or item or commodity)) and
(point)

Drafts
- IS&R:
- BRS:
- IS&R:
- BRS: 4 and
- Pending
- Active
  - L1: (28740) (point) adj3 (issue or issuing or issued or distribute or distributing or distributed...
  - L2: (24039) 1 and (automated or automatic or automatically or vending or machine or device or unit)
  - L3: (5145) 2 and ((predetermine or predetermined or predetermining or determine or determined or....
  - L4: (377) 3 and ((predetermine or predetermined or predetermining or determine or determined or d....
  - L5: (3) 4 and (((automated or automatic or automatically) adj2 (vending or machine or device or u....
  - 5 and ((remote or portable or mobile) adj5 (terminal or monitor or device or transmitter or unit....
  - L7: (366) ((automated or automatic or automatically) adj2 (vending or machine or device or unit)....
  - L8: (51) 7 and ((remote or portable or mobile) adj5 (terminal or monitor or device or transmitter....
  - L9: (33) 8 and (coupon or voucher or promote or promotion or promoting)
- Failed
- Saved
- Favorites
- Tagged (0)
- UDC
- Queue
- Trash

#	L	Document ID	Issue Date	Pages	Title	Current OR Current Xref	Retrieval	Inventor	S	C
1	US A1	20020077911	20020620	12	Promotion method and system	705/14		Ota, Michihiro et al.		
2	US A1	20020055994	20020509	11	Promotion system and method	709/223		Ota, Michihiro et al.		
3	US A1	20020052789	20020502	14	Promotion method and system	705/14		Ota, Michihiro et al.		

5 and ((remote or portable or mobile) adj5 (terminal or monitor or device or transmitter or unit or computer or phone or handheld or hand-held or hand or wearable))

Drafts

IS&R:
BRS:
IS&R:

BRS: 4 and

Pending
Active

L1: (28748) (point) adj3 (issue or issuing or issued or distribute or distributing or distributed...
L2: (24039) 1 and (automated or automatic or automatically or vending or machine or device or unit)
L3: (5145) 2 and ((predetermine or predetermined or predetermining or determine or determined or...
L4: (377) 3 and ((predetermine or predetermined or predetermining or determine or determined or d...
L5: (3) 4 and (((automated or automatic or automatically) adj2 (vending or machine or device or u...
L6: (3) 5 and ((remote or portable or mobile) adj5 (terminal or monitor or device or transmitter...
L7: (366) ((automated or automatic or automatically) adj2 (vending or machine or device or unit)...
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Failed
Saved
Favorites
Tagged (0)
UDC
Queue
Trash

D	L	Document ID	Issue Date	Pages	Title	Current OR	Current Xref	Retrieval C	Inventor	S	C

4 and (((automated or automatic or
automatically) adj2 (vending or
machine or device or unit)) adj3
(product or item or commodity))

Drafts
IS&R:
BRS:
IS&R:
IS&R:
BRS: 4 and
Pending
Active

L1: (28748) (point) adj3 (issue or issuing or issued or distribute or distributing or distributed...
L2: (24039) 1 and (automated or automatic or automatically or vending or machine or device or unit)
L3: (5145) 2 and ((predetermine or predetermined or determine or determined or...
L4: (377) 3 and ((predetermine or predetermined or predetermining or determine or determined or d...
L5: (3) 4 and (((automated or automatic or automatically) adj2 (vending or machine or device or u...
L6: (3) 5 and ((remote or portable or mobile) adj5 (terminal or monitor or device or transmitter...
L7: (366) ((automated or automatic or automatically) adj2 (vending or machine or device or unit)...
L8: (51) 7 and ((remote or portable or mobile) adj5 (terminal or monitor or device or transmitter...
L9: (33) 8 and (coupon or voucher or promote or promotion or promoting)

Failed
Saved
Favorites
Tagged (0)
UDC
Queue
Trash

3 and ((predetermine or
predetermined or predetermining or
determine or determined or
determining or set) adj3 (service))

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Drafts
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BRS:
IS&R:
BRS: 4 and
Pending
Active

L1: (28748) (point) adj3 (issue or issuing or issued or distribute or distributing or distributed...
L2: (24039) 1 and (automated or automatic or automatically or vending or machine or device or unit)
L3: (5145) 2 and ((predetermine or predetermined or predetermining or determine or determined or...
L4: (377) 3 and ((predetermine or predetermined or predetermining or determine or determined or d...
L5: (3) 4 and (((automated or automatic or automatically) adj2 (vending or machine or device or u...
L6: (3) 5 and ((remote or portable or mobile) adj5 (terminal or monitor or device or transmitter...
L7: (366) ((automated or automatic or automatically) adj2 (vending or machine or device or unit)...
L8: (51) 7 and ((remote or portable or mobile) adj5 (terminal or monitor or device or transmitter...
L9: (33) 8 and (coupon or voucher or promote or promotion or promoting)
Failed
Saved
Favorites
Tagged (0)
UDC
Queue
Trash

2 and ((predetermine or
predetermined or predetermining or
determine or determined or
determining or set) adj3 (point))

| Document ID | Issue Date | Pages | Title | Current OR | Current XRef | Retrieval | Inventor |

Drafts
IS&R:
BRS:
IS&R:
BRS: 4 and
Pending
Active

L1: (23748) (point) adj3 (issue or issuing or issued or distribute or distributing or distributed...
L2: (24039) 1 and (automated or automatic or automatically or vending or machine or device or unit)
L3: (5145) 2 and ((predetermine or predetermined or predetermining or determine or determined or...
L4: (377) 3 and ((predetermine or predetermined or predetermining or determine or determined or d...
L5: (3) 4 and ((automated or automatic or automatically) adj2 (vending or machine or device or u...
L6: (3) 5 and ((remote or portable or mobile) adj5 (terminal or monitor or device or transmitter...
L7: (366) ((automated or automatic or automatically) adj2 (vending or machine or device or unit)...
L8: (51) 7 and ((remote or portable or mobile) adj5 (terminal or monitor or device or transmitter...
L9: (33) 8 and (coupon or voucher or promote or promotion or promoting)

Failed
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Favorites
Tagged (0)
UDC
Queue
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(point) adj3 (issue or issuing or
issued or distribute or
distributing or distributed or
distribution or issuance or
issuance or delivery or delivered
or delivering or deliver)

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IS&R:
BRS:
IS&R:
BRS: 4 and
Pending
Active

L1: (28748) (point) adj3 (issue or issuing or issued or distribute or distributing or distributed.
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L3: (5145) 2 and ((predetermine or predetermined or predetermining or determine or determined or...
L4: (377) 3 and ((predetermine or predetermined or predetermining or determine or determined or d...
L5: (3) 4 and (((automated or automatic or automatically) adj2 (vending or machine or device or u...
L6: (3) 5 and (remote or portable or mobile) adj5 (terminal or monitor or device or transmitter...
L7: (366) ((automated or automatic or automatically) adj2 (vending or machine or device or unit)...
L8: (51) 7 and ((remote or portable or mobile) adj5 (terminal or monitor or device or transmitter.
L9: (33) 8 and (coupon or voucher or promote or promotion or promoting)
L10: (2) ("6061660").PN.
L11: (1) 10 and (coupon or voucher or promote or promotion or promoting)
L12: (1) 11 and ((remote or portable or mobile) adj5 (terminal or monitor or device or transmitte.
L13: (0) 12 and ((automated or automatic or automatically) adj2 (vending or machine or device or...
L14: (0) 12 and ((automated or automatic or automatically) adj2 (vending or machine or device or...
L15: (0) 12 and ((automated or automatic or automatically) adj2 (vending or machine or device or...
L16: (0) 10 and ((automated or automatic or automatically) adj2 (vending or machine or device or...
L17: (1) 10 and (vending or machine)

10 and (vending or machine)

#	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval	Inventor
1	US 6061660 A	20000509	50	System and method for incentive programs and award	705/14	705/7	Eggleston; York et al.	

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L7:  (366) ((automated or automatic or automatically) adj2 (vending or machine or device or unit)
L8:  (51)  7 and ((remote or portable or mobile) adj5 (terminal or monitor or device or transmitte
L9:  (33)  8 and (coupon or voucher or promote or promotion or promoting)
L10: (33)  8 and (coupon or voucher or promote or promotion or promoting)
L11: (1)   10 and (coupon or voucher or promote or promotion or promoting)
L12: (1)   11 and ((remote or portable or mobile) adj5 (terminal or monitor or device or transmitt
L13: (0)   12 and ((automated or automatic or automatically) adj2 (vending or machine or device or
L14: (0)   12 and ((automated or automatic or automatically) adj2 (vending or machine or device or
L15: (0)   12 and ((automated or automatic or automatically) adj2 (vending or machine or device or
L16: (0)   10 and ((automated or automatic or automatically) adj2 (vending or machine or device or
L17: (366) ((automated or automatic or automatically) adj2 (vending or machine or device or unit))
L18: (51)  7 and ((remote or portable or mobile) adj5 (terminal or monitor or device or transmitte
L19: (33)  8 and (coupon or voucher or promote or promotion or promoting)
L10: (2)   ("6061660").PN.
L17: (1)   10 and (vending or machine)
L18: (0)   7 and (benefit adj2 credits)
L19: (7)   1 and (benefit adj2 credits)
L20: (4)   19 and (vend or vending)
L21: (1)   discount adj2 method adj3 device adj4 automatic adj2 vending adj2 machine
L22: (0)   system adj3 method adj3 electronic adj2 distribution adj3 benefits
L23: (0)   Kuite adj2 roger
L24: (2)   ("200165499").PN.
L25: (2)   cooperative adj2 vending adj2 machine adj2 data adj2 reporting
L26: (2)   25 and point
L27: (1)   25 and (benefit or credit)
L28: (43)  hiramatsu adj2 junichi
L29: (2)   28 and (yorita adj2 koji)
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U	I	Document ID	Issue Date	Pages	Title	Current US	Current Xref	Retrieval	Inventor	R	C
□	□	JP 200346227	20031205	17	COMMODITY SELLING SYSTEM AND VENDING MACHINE				HIRAMATSU, JUNICHI et al.	R	C
□	□	JP 200317136	20031107	15	ARTICLE SALES PROMOTION SYSTEM				HIRAMATSU, JUNICHI et al.	R	C